

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------------|------------------|---------|------------------|
| L1 | 301 | ("136"/\$.ccls.)and(((titanium Ti) same (silver Ag))with(electrode)) | US-PGPUB; USPAT | OR | ON | 2006/06/05 14:28 |
| L2 | 0 | (thermionic)same(((titanium Ti) same (silver Ag))with(electrode)) | US-PGPUB; USPAT | OR | ON | 2006/06/05 14:28 |
| L3 | 88 | (thermionic)and(((titanium Ti) same (silver Ag))with(electrode)) | US-PGPUB; USPAT | OR | ON | 2006/06/05 14:36 |
| L4 | 1 | ("6888296").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/05 15:41 |
| L5 | 16 | edelson.in. and thermionic | US-PGPUB; USPAT | OR | ON | 2006/06/05 15:42 |
| S31 | 1 | ("20050104512").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/05 08:09 |
| S32 | 14 | ((("3740592") or ("4011582") or ("4063965") or ("5336547") or ("5917156") or ("6214651") or ("6225205") or ("20010046749") or ("6417060") or ("5722242") or ("5675972") or ("4039352") or ("5699668") or ("20030068431"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/16 10:45 |
| S33 | 393 | ("313"/\$.ccls.)AND(piezo\$) | US-PGPUB; USPAT | OR | ON | 2005/12/16 10:46 |
| S34 | 10 | ("3740592" "4011582" "4063965" "6214651").PN. OR ("6417060").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/16 11:23 |
| S35 | 24 | tavkhelidze.in. | US-PGPUB; USPAT | OR | ON | 2005/12/19 13:30 |

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| S36 | 80 | ("2510397" "2915652" "3021472" "3118107" "3169200" "3173032" "3194989" "3238395" "3239745" "3267307" "3267308" "3281372" "3300660" "3328611" "3376437" "3393330" "3470393" "3515908" "3519854" "3578992" "3843896" "4004210" "4039352" "4224461" "4281280" "4410951" "4423347" "4667126" "4937489" "4958201" "5028835" "5049775" "5083056" "5119151" "5229320" "5233205" "5247223" "5307311" "5332952" "5351412" "5356484" "5374388" "5410166" "5465021" "5487790" "5521735" "5592042" "5675972" "5699668" "5701043" "5722242" "5810980" "5874039" "5973259" "5981071" "5981866" "5994638" "6064137" "6084173" "6089311" "6281514").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/19 10:15 |
| S37 | 697 | (diode)AND((electrode collector emitter)same((housing tube tubular pipe)same(actuator piezo\$))) | US-PGPUB; USPAT | OR | ON | 2005/12/19 14:20 |
| S38 | 364 | (62/3.1).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/19 10:26 |
| S39 | 40 | S38 AND (diode) | US-PGPUB; USPAT | OR | ON | 2005/12/19 10:30 |
| S40 | 2 | (diode)near10((electrode collector emitter)same((housing tube tubular pipe cylinder ring)same(actuator piezo\$))) | US-PGPUB; USPAT | OR | ON | 2005/12/19 10:47 |
| S41 | 358919 | (diode)same3((electrode collector emitter)same((housing tube tubular pipe cylinder ring)same(actuator piezo\$))) | US-PGPUB; USPAT | OR | ON | 2005/12/19 10:48 |
| S42 | 139 | (diode)same((electrode collector emitter)same((housing tube tubular pipe cylinder ring)same(actuator piezo\$))) | US-PGPUB; USPAT | OR | ON | 2005/12/19 12:31 |
| S43 | 11 | (diode.ti.)AND((electrode collector emitter)same((housing tube tubular pipe cylinder ring)same(actuator piezo\$))) | US-PGPUB; USPAT | OR | ON | 2005/12/19 12:31 |
| S44 | 71 | (Borealis adj Technical) | US-PGPUB; USPAT | OR | ON | 2005/12/19 13:46 |

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| S45 | 1510 | (313/310).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/19 13:47 |
| S46 | 12 | S45 and (piezo\$ actuator actuating)AND(thermionic (gap adj diode) thermotunneling (vacuum adj diode)) | US-PGPUB; USPAT | OR | ON | 2005/12/19 13:54 |
| S47 | 1042 | (310/306).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/19 13:54 |
| S48 | 11 | S47 and (piezo\$ actuator actuating)AND(thermionic (gap adj diode) thermotunneling (vacuum adj diode)) | US-PGPUB; USPAT | OR | ON | 2005/12/19 13:54 |
| S49 | 10065 | (piezo\$ with (cylinder ring tube tubular cylindrical)) | US-PGPUB; USPAT | OR | ON | 2005/12/19 14:21 |
| S50 | 1501 | (piezo\$ with (cylinder ring tube tubular cylindrical)with(electrode emitter collector)) | US-PGPUB; USPAT | OR | ON | 2005/12/19 14:21 |
| S51 | 207 | (piezo\$ with (cylinder ring tube tubular cylindrical)with(electrode emitter collector)with(axial longitudinal axis)) | US-PGPUB; USPAT | OR | ON | 2005/12/19 14:21 |
| S52 | 178 | (thermionic same ((electrode collector emitter)with(Ag silver titanium Ti silicon Si copper cu molybdenum Mo indium galium))) | US-PGPUB; USPAT | OR | ON | 2006/06/02 13:40 |
| S53 | 4 | ((gap adj diode) same ((electrode collector emitter)with(Ag silver titanium Ti silicon Si copper cu molybdenum Mo indium galium))) | US-PGPUB; USPAT | OR | ON | 2005/12/20 08:40 |
| S54 | 26 | ((gap adj diode) and ((electrode collector emitter)with(Ag silver titanium Ti silicon Si copper cu molybdenum Mo indium galium))) | US-PGPUB; USPAT | OR | ON | 2005/12/20 08:45 |
| S55 | 118 | (piezo\$ with (cylinder ring tube) with quartz) | US-PGPUB; USPAT | OR | ON | 2005/12/20 08:46 |
| S56 | 795 | (136/205,200).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/20 09:59 |
| S57 | 1240 | (62/3.2-3.3).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/20 10:00 |
| S58 | 228 | (438/380,141).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/20 10:00 |

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| S59 | 1 | ("6417060").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/02 10:40 |
| S60 | 1 | ("20010046749").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/02 10:40 |
| S61 | 723 | ((thermionic thermal)with(cathode electrode diode collector emitter anode))same(piezo\$electric (piezo with electric) PZT piezoelectric) | US-PGPUB; USPAT | OR | ON | 2006/06/02 14:04 |
| S62 | 405 | ((thermionic thermal)with(cathode electrode diode collector emitter anode))same(piezo\$electric (piezo with electric) PZT piezoelectric) | USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/02 14:04 |
| S63 | 238 | (diode (vacuum adj tube))same((housing tube house)with(extend\$4 adjust\$4)with length) | US-PGPUB; USPAT | OR | ON | 2006/06/02 16:40 |
| S64 | 752 | (136/230).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/05 08:26 |
| S65 | 132 | ("136"/\$.ccls.)and(piezoelectric PZT piezo\$electric (piezo with electric)) | US-PGPUB; USPAT | OR | ON | 2006/06/05 08:28 |
| S66 | 80 | ("2510397" "2915652" "3021472" "3118107" "3169200" "3173032" "3194989" "3238395" "3239745" "3267307" "3267308" "3281372" "3300660" "3328611" "3376437" "3393330" "3470393" "3515908" "3519854" "3578992" "3843896" "4004210" "4039352" "4224461" "4281280" "4410951" "4423347" "4667126" "4937489" "4958201" "5028835" "5049775" "5083056" "5119151" "5229320" "5233205" "5247223" "5307311" "5332952" "5351412" "5356484" "5374388" "5410166" "5465021" "5487790" "5521735" "5592042" "5675972" "5699668" "5701043" "5722242" "5810980" "5874039" "5973259" "5981071" "5981866" "5994638" "6064137" "6084173" "6089311" "6281514").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/05 08:46 |
| S67 | 2 | ("6720704").URPN. | USPAT | OR | ON | 2006/06/05 09:37 |

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| S68 | 1 | ("6084173").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/05 09:37 |
| S69 | 16 | ("4128732" "4667126" "4776895" "5057162" "5571339" "5605171" "5611870" "5616186" "5700332" "5753050" "5769964" "5837929" "5861226" "5865906" "5867990" "6048173").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/05 13:27 |